

AMENDMENTS TO THE CLAIMS:

This listing of claims replaces all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A fabric product comprising:

a fabric layer having a plurality of high strength and high modulus fibers, the plurality of fibers impregnated by an impregnation compound with the fabric layer coated on each side with the impregnation compound, where the impregnation compound is derived from a mixture comprising:

a pre-polymer;

a co-reactant curative; and

a diluent, said diluent solvating the mixture of said pre-polymer and said curative, and wherein said impregnation compound has a curative stoichiometry range of less than 85 percent,

wherein the high strength and high modulus fibers comprise at least one of aramid fibers and aromatic polyester fibers.

2. (Previously Amended) The fabric product of claim 1 wherein said impregnation compound has a curative stoichiometry range of approximately 75 percent.

3. (Currently Amended) The fabric product of claim 1 wherein a ratio of the co-reactant to the pre-polymer is about ~~100.0 to~~ 26.1 to 100.0.

Claim 4 (Cancelled)

5. (Previously Presented) The fabric product of claim 1 wherein the pre-polymer comprises a urethane pre-polymer.

6. (Previously Amended) The fabric product of claim 1 wherein said diluent comprises a solvent.

7. (Previously Presented) The fabric product of claim 3 wherein the ratio of said curative to said pre-polymer is derived from the formula

$$\frac{6.34 \times 0.75 \times 230}{42} = \text{parts by weight of curative per 100 parts of pre-polymer}$$

where the pre-polymer comprises an isocyanate and where 6.34 is the isocyanate content of the pre-polymer, 0.75 is the desired stoichiometry of the mixture, 230 is the equivalent weight of the curative and 42 is the equivalent weight of the isocyanate.

Claims 8 to 18. (Cancelled)

19. (Currently Amended) A fabric product comprising at least one resin fabric piece, said resin fabric piece comprising:

a resin impregnated fabric layer comprising high strength and high modulus fibers and having a resin impregnated therein;

a first resin layer having a resin disposed on a first side of said resin impregnated fabric layer; and

a second resin layer having a resin disposed on a second side of said resin impregnated fabric layer, wherein the resin is derived from a mixture comprising:

a pre-polymer;

a co-reactant curative; and

a diluent, said diluent solvating the mixture of said pre-polymer and said curative, and wherein said impregnation compound has a curative stoichiometry range of less than 85 percent,

wherein the high strength and high modulus fibers comprise at least one of aramid fibers and aromatic polyester fibers.

20. (Original) The fabric product of claim 19 wherein said resin has a curative stoichiometry range of approximately 75 percent.

21. (Previously Amended) The fabric product of claim 19 wherein said resin has a ratio of said curative to said pre-polymer in accordance with the formula

$$\frac{6.34 \times 0.75 \times 230}{42} = \text{parts by weight of curative per 100 parts of pre-polymer}$$

where the pre-polymer comprises an isocyanate and where 6.34 is the isocyanate content of the pre-polymer, 0.75 is the desired stoichiometry of the mixture, 230 is the equivalent weight of the curative and 42 is the equivalent weight of the isocyanate.

22. (Previously Amended) The fabric product of claim 19 further comprising a second resin fabric piece disposed along a surface of said second resin layer.

23 (Cancelled)

24. (Currently Amended) The fabric product of claim 1 [[23]] wherein the aramid fibers comprise polyaramid polyparaphenylene terephthalamide fibers.

25. (Cancelled)

26. (Currently Amended) The fabric product of claim 1 [[25]] wherein the aromatic polyester fibers comprise polyester-polyarylate fibers.

27. (Cancelled)

28. (Currently Amended) The fabric product of claim 19 [[27]] wherein the aramid fibers comprise polyaramid polyparaphenylene terephthalamide fibers.

29. (Cancelled)

30. (Currently Amended) The fabric product of claim 19 [[29]] wherein the aromatic polyester fibers comprise polyester-polyarylate fibers.

31. (New) The fabric product of claim 1 wherein the fabric product is at least a part of a radome.

32. (New) The fabric product of claim 1 the fabric product is at least a part of a thermally welded seam.

33. (New) The fabric of claim 32 wherein the thermally welded seam has a strength to withstand an applied force of 880 pounds per square inch for at least 56 hours.

34. (New) The fabric product of claim 19 wherein the fabric product is at least a part of a radome.

35. (New) The fabric product of claim 19 the fabric product is at least a part of a thermally welded seam.

36. (New) The fabric of claim 35 wherein the thermally welded seam has a strength to withstand an applied force of 880 pounds per square inch for at least 56 hours.